

ABSTRACT

The invention is directed to a system and method for monitoring data disposed on a memory module in a solid state disk system, and copying the data to a storage means without disrupting the availability, performance or use of the solid state disk system. The system preferably uses a control module coupled to the memory module and storage means. The control module preferably maintains a segment queue to record a list of data segments that have been updated in the memory module. When a time interval expires, the control module copies the data segments listed in the segment queue to the storage means.